

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
 37000 CIP2 9906

Total Pages in this Submission  
 4

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**OPTICAL DEVICES AND METHODS EMPLOYING NANOPARTICLES, MICROCAVITIES, AND SEMICONTINUOUS METAL FILMS**

223891  
 10/61319  
 PRO  
 09/12/03

and invented by:

Robert L. ARMSTRONG, Vladimir M. SHALAEV, Harold V. SMITH, Andrey K. SARYCHEV, Z Charles YING

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/797,609

Which is a:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/572,721

When filed: and

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/955,712

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
2.  Specification having \_\_\_\_\_ pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
37000 CIP2 9906

Total Pages in this Submission  
4

**Application Elements (Continued)**

3.  Drawing(s) (when necessary as prescribed by 35 USC 113)
  - a.  Formal Number of Sheets 16
  - b.  Informal Number of Sheets \_\_\_\_\_
4.  Oath or Declaration
  - a.  Newly executed (original or copy)  Unexecuted
  - b.  Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
  - c.  With Power of Attorney  Without Power of Attorney
  - d.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.  CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.  Application Data Sheet (See 37 CFR 1.76)
8.  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
  - a.  Computer Readable Form (CFR)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(B) Statement (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Certificate of Mailing  
 First Class  Express Mail (Specify Label No.): EV166728415US

**UTILITY PATENT APPLICATION TRANSMITTAL  
(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
37000 CIP2 9906

Total Pages in this Submission  
4

**Accompanying Application Parts (Continued)**

17.  Applicant claims small entity status. See 37 CFR 1.27.  
 (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_

18.  Additional Enclosures (please identify below):

Associate Power of Attorney

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

19.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
 37000 CIP2 9906

Total Pages in this Submission  
 4

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

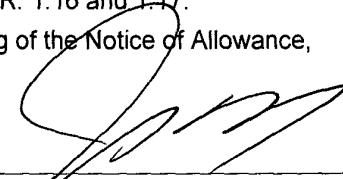
For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	186	- 20 =	166	x \$9.00	\$1,494.00
Indep. Claims	35	- 3 =	32	x \$42.00	\$1,344.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				<b>BASIC FEE</b>	<b>\$375.00</b>
<b>OTHER FEE (specify purpose)</b>					<b>\$0.00</b>
				<b>TOTAL FILING FEE</b>	<b>\$3,213.00</b>

A check in the amount of \$3,213.00 to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No. 13-4213 as described below.

- Charge the amount of \_\_\_\_\_ as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: September 12, 2003



Signature

Jeffrey D. Myers, Reg. No. 35,964  
 Peacock, Myers & Adams, P.C.  
 P. O. Box 26927  
 Albuquerque NM 87125-6927  
 Telephone (505) 998-1500  
 FAX (505) 243-2542

CUSTOMER NO. 005179  
 CC: